IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of

Takeshi KONDO, et al.

Serial No. 09/322,333

Filed: May 28, 1999

For: Pressure Sensitive Adhesive Sheet and Method of Use thereof

Group Art Unit: 1771

Examiner: Daniel Zirker

Honorable Commissioner of Patents and Trademarks
United States Patent and Trademark Office
Washington, D. C. 20231

Sir:

DECLARATION UNDER 37 CFR 1.132

I, Kouichi Nagamoto, declare and state that:

1. I, Nagamoto Kouichi, was graduated from the graduate school of Kyushu Institute Technology, Engineering Department, majoring in material engineering and received a degree of Master of Engineering, in March 1995.

Since April 1995, I have been an employee of Lintec Corporation. Till the present time, I have been engaged in the research and development work concerning new material for electric/communication device field.

I am a co-inventor of the invention described in EP 0 798 355.

2. I carried out the following experiment in order to demonstrate the superiority of the process according to the present application.

Example 1 of EP 0 798 355 was reproduced to prepare base sheet, except for using 40 parts by weight of dicyclopentanyl acrylate (Comparative Experiment 1) or dicyclopentenyl acrylate (Comparative Experiment 2) in place of 40 parts by weight of morpholine acrylate.

The value "tan δ" of resulting base sheet was measured in accordance with the method described in the present specification.

Results are summarized in the following table together with Examples 1 to 3 of the present specification.

	Urethane Acrylate Oligomer	Monomer	Photoinitiater	Max. value of tan δ (-5～80℃)
USSN.09/322,333 Example 1	Arakawa Chem. Ind. Urethane acrylate oligomer Mw=5000 **50p.h.r.**	Isobornyl acrylate **50p.h.r.**	Irgacure184 **2p.h.r.**	0.78
USSN.09/322,333 Example 2		Morpholinyl acrylate **50p.h.r.**	Irgacure184 **2p.h.r.**	0.85
USSN.09/322,333 Example 3		Isobornyl acrylate **25p.h.r.** Morpholinyl acrylate **25p.h.r.**	Irgacure184 **2p.h.r.**	1.18
Comparative Experiment 1	Nippon Kayaku Co. Urethane acrylate oligomer UX3301、Mw=8000 **60p.h.r.**	Dicyclopentanyl acrylate **40p.h.r.**	Irgacure184 **4p.h.r.**	0.599 at 77℃
Comparative Experiment 2		Dicyclopentenyl acrylate **40p.h.r.**	Irgacure184 **4p.h.r.**	0.315 at 74℃

3. From the results of the above Experimental works and based on our best knowledge and experience in this field, we conclude that

the base sheets disclosed in EP 0 798 355 would not satisfy the tan δ definition recited in the present invention, even if morpholine acrylate used in Example 1 of EP 0 798 355 is replaced with dicyclopentanyl acrylate or dicyclopentenyl acrylate. Thus, the present invention is entirely different from those disclosed in EP 0 798 355.

The undersigned declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

This 21 day of January, 2003

Kouichi Nagamoto

Kouichi NAGAMOTO